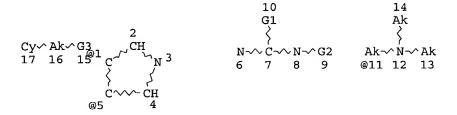
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GRAPH ATTRIBUTES:
RSPEC 1
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

L3

=> s 11 ful FULL SEARCH INITIATED 14:47:11 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 53400 TO ITERATE

42 ANSWERS

100.0% PROCESSED 53400 ITERATIONS SEARCH TIME: 00.00.02

42 SEA SSS FUL L1

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AN
     2000:420959 CAPLUS
DN
     133:43441
     Preparation of N-ureidoalkyl-piperidines as modulators of chemokine
ΤI
     receptor activity
     Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III;
     Gardner, Daniel S.
     Du Pont Pharmaceuticals Company, USA
PA
SO
     PCT Int. Appl., 327 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 9
                                            APPLICATION NO.
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     WO 2000035449
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                       Α3
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os
     MARPAT 133:43441
GI
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AB The title compds. [I; M = absent, CH2, CH(CH2Ph), etc.; Q = CH2, CHR5, etc.; J, K, L = CH2, CH(CH2Ph), etc.; Z = 0, S; E = (CH2)2, (CH2)3,

CH2CH(OH)CH(Ph), etc.; R1, R2 = H, alkyl, alkenyl, etc.; R2 and R3 may join to form (un)substituted 5-7 membered ring; R3 = (un)substituted Ph, naphthyl, adamantyl, etc.; R4 = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepared and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/day (oral dosage).

IT 275810-34-9P

CN

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-ureidoalkyl-piperidines as modulators of chemokine receptor activity)

RN 275810-34-9 CAPLUS

Urea, N-[3-[3-[(4-fluorophenyl)methyl]-1-pyrrolidinyl]propyl]-N'-tricyclo[3.3.1.13,7]dec-1-yl- (9CI) (CA INDEX NAME)

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

> d bib abs 1-9

T.14

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AN
     2003:622568
                 CAPLUS
DN
     139:164710
ΤI
     Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3
     receptor activity.
     Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III;
IN
     Wacker, Dean A.
     Bristol-Myers Squibb Pharma Company, USA
PA
SO
     U.S., 145 pp., Cont.-in-part of U.S. Ser. No. 465,286, abandoned.
     CODEN: USXXAM
DT
     Patent
LA
     English
FAN.CNT 9
     PATENT NO.
                      KIND DATE
                                            APPLICATION NO. DATE
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                            20020509
                                            ZA 2001-3756
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     WO 2001098269
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             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
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     US 1999-465288
                       A3
                            19991217
     US 1999-465948
                       A3
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     WO 2001-US19745
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os
     MARPAT 139:164710
GI
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ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

$$\begin{array}{c|c}
J-M & R^4 \\
K & N & || \\
L-Q & E-N & NR^2R^3
\end{array}$$

[Title compds. I; M = CH2, CHR5, CHR13, CR13R13, CR5R13; Q = CH2, CHR5, AB CHR13, CR13R13, CR5R13; J, L = CH2, CHR5, CHR6, CR6R6, CR5R6; Z = O, S; M = CH2, CHR5, CHR13, CR13R13, CR5R13; K = CHR5, CR5R6; Z = O, S; E = (CHR7)(CHR9)v(CR11R12); R1, R2 = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R2R3 = atoms to form a (substituted) 5-7 membered ring; R3, R5 = (substituted) (alkyl)cycloalkyl, (alkyl)heterocyclyl; R4 = null, O, alkyl, alkenyl, alkynyl, etc.; R4 with R7, R9, or R11 = atoms to form a 5-7 membered ring; R6 = alkyl, alkenyl, alkynyl, etc.; R7, R9 = H; R4R7, R4R9 = (substituted) spirocyclyl; R13 = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R11R12 = pyrrolidinyl, tetrahydrofuryl, piperidinyl, tetrahydropyranyl; v = 1, 2, were prepared as modulators of chemokine activity (no data) for preventing asthma and other allergic diseases. Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-[3-[4-(phenylmethyl)-1-piperidinyl]propyl]urea. A pharmaceutical composition comprising the compound I was claimed. THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 18 ALL CITATIONS AVAILABLE IN THE RE FORMAT ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN L142003:150534 CAPLUS AN DN138:204946 Preparation of N-ureidoalkylpiperidines as modulators of CCR3 chemokine TI

receptor activity for the prevention of asthma and other allergic diseases

Ko, Soo S.; Delucca, George V.; Duncia, John V.; Kim, Ui Tae; Wacker, Dean IN A.; Zheng, Changsheng

Bristol-Myers Squibb Pharma Company, USA PA

U.S., 126 pp., Cont.-in-part of U.S. Ser. No. 466,442. SO CODEN: USXXAM

Patent

| LΑ | | ent dish | | | | | | | | | | | | | | | | |
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| ΡI | US | 65250 | 169 | | R. | 1 | 2003 | 0225 | | II | S 20 | 00-5 | 9740 | n | 2000 | 0621 | | |
| | | | | | | | 2001 | | | | | | | | | | | |
| | US 6331541 US 6444686 | | | | | | | US 1999-465288 US 1999-466442 | | | | | | | | | | |
| | | | | | | | | | ZA 2001-3756 | | | | | | | | | |
| | WO | | | | A2 | 2 | | | | WO 2001-US19752 | | | | | 20010620 | | | |
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| | EP | 12946 | | - | | | 2003 | | | | | | • | | • | | | |
| | | R: | - | | | | | | | | | | | | NL, | | MC. | PT. |
| | | | | | | | FI, | | | | | | , | _0, | | , | , | , |
| | JP | 2004 | | | | | | | | | | | 0422 | 6 | 2001 | 0620 | | |
| | US 2003013741 | | 41 | A1 | | 20030116 | | | US 2001-7172 | | | | | | | | | |
| | | | | B | 2 | 2003 | 0218 | | US 2002-180869 | | | | | | | | | |
| | US | 2003 | 1144 | 89 | A: | L | 2003 | 0619 | | U | S 20 | 02-1 | 8086 | 9 | 2002 | J626 | | |
| | | 20040 | | | A: | | 2004 | | | | | | | | 2002 | | | |
| | | 20040 | | | A: | | 2004 | | | _ | | | | | 2002 | | | |
| | | 20040 | | | A: | | 2004 | | | U | S 20 | 03-3! | 5944 | 3 | 2003 | 0206 | | |
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| | | 1999- 1999- | | | | | 1999 1999 | | | | | | | | | | | |
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MARPAT 138:204946
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$$\begin{array}{c|c}
 & J-M \\
 & K & N \\
 & L-Q & | \\
 & & R^{1}N & NR^{2}R^{3}
\end{array}$$

OS

GI

Title compds. [I; M, Q = CH2, CHR5, CHR13, CR13R13, CR5R13; J, K, L = CH2, AB CHR5, CHR6, CR6R6, CR5R6; ≥1 of J, K, L contains R5; Z = O, S, NR1a, CHCN, CHNO2, C(CN)2; R1a = H, alkyl, cycloalkyl, CN, NO2, etc.; E = (substituted) C3-6 carbocyclyl, methylenecarbocyclyl, ethylenecarbocyclyl, etc.; R1, R2 = H, alkyl, alkenyl, alkynyl; R3 = (substituted) alkyl, alkenyl, alkynyl; R4 = null, N-oxide, alkyl, alkenyl, alkynyl, cycloalkylalkyl, etc.; R5 = (substituted) alkylenecarbocyclyl, alkyleneheterocyclyl; R6 = alkyl, alkenyl, alkynyl, alkylcycloalkyl, perfluoroalkyl, hydroxyalkyl, mercaptoalkyl, aminoalkyl, CN, etc.; R13 = alkyl, alkenyl, alkynyl, cycloalkyl, perfluoroalkyl, aminoalkyl, hydroxyalkyl, carboxyalkyl, mercaptoalkyl, acylaminoalkyl, (substituted) phenylalkyl, etc.], were prepared as CCR3 modulators (no data). Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) and 3-cyanophenyl isocyanate were stirred 30 min. in THF to give N-3-cyanophenyl-N'-[3-[4-(phenylmethyl)-1-piperidinyl]propyl]urea.

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
L14
AN
     2001:935575 CAPLUS
DN
     136:69739
     Preparation of piperidinoalkylureas as chemokine receptor modulators
ΤI
     Ko, Soo S.; Delucca, George V.; Duncia, John V.; Kim, Ui Tae; Wacker, Dean
IN
     A.; Zheng, Changsheng
     Dupont Pharmaceuticals Company, USA
PA
SO
     PCT Int. Appl., 333 pp.
     CODEN: PIXXD2
DT
     Patent
LA
     English
FAN.CNT 9
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PATENT NO.
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            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
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     WO 2001-US19752
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     MARPAT 136:69739
os
     The title compds. were prepared as chemokine receptor modulators (no data).
AB
     Thus, PhCH2Z(CH2)3NHR (Z = piperidine-4,1-diyl)(I; R = H)(preparation given)
     was amidated by 3-(NC)C6H4NCO to give I [R = CONHC6H4(CN)-3].
L14
     ANSWER 4 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
     2001:935574 CAPLUS
AN
     136:69738
DN
     Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3
ΤI
     receptor activity.
     Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B.;
     Wacker, Dean A.; Yao, Wenqing
     Dupont Pharmaceuticals Company, USA; Bristol-Myers Squibb Pharmaceutical
PΑ
SO
     PCT Int. Appl., 446 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LA
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                      KIND DATE
                                           APPLICATION NO. DATE
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             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
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     WO 2001-US19745
     MARPAT 136:69738
os
GΙ
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$$\begin{array}{c|c} J-M & R^4 & Z \\ K & N & \parallel \\ L-Q & E-N & NR^2R^3 \end{array}$$

AB [Title compds. I; M = CH2, CHR5, CHR13, CR13R13, CR5R13; Q = CH2, CHR5, CHR13, CR13R13, CR5R13; J, L = CH2, CHR5, CHR6, CR6R6, CR5R6; Z = O, S; M = CH2, CHR5, CHR13, CR13R13, CR5R13; K = CHR5, CR5R6; Z = O, S; E = (CHR7)(CHR9)v(CR11R12); R1, R2 = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R2R3 = atoms to form a (substituted) 5-7 membered ring; R3, R5 = (substituted) (alkyl)cycloalkyl, (alkyl)heterocyclyl; R4 = null, O, alkyl, alkenyl, alkynyl, etc.; R4 with R7, R9, or R11 = atoms to form a 5-7 membered ring; R7, R9 = H; R4R7, R4R9 = (substituted) spirocyclyl; R13 = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R11R12 = pyrrolidinyl, tetrahydrofuryl, piperidinyl, tetrahydropyranyl; v = 1, 2], were prepared as modulators of chemokine activity (no data). Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-[3-[4-(phenylmethyl)-1-piperidinyl]propyl]urea.

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L14 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
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AN 2001:565016 CAPLUS

DN 135:137529

TI Preparation of azepine derivatives as VLA-4 antagonists

IN Ikegami, Satoru; Inoguchi, Kiyoshi; Fukui, Hideto; Sumita, Yuji; Maruyama, Tatsuya; Watanuki, Mitsuru

PA Kaken Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2
DT Patent

LA Japanese

FAN.CNT 1

GI

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PATENT NO.
                      KIND DATE
                                           APPLICATION NO. DATE
                            -----
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     WO 2001055121
                             20010802
                                            WO 2001-JP521
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             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
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PRAI JP 2000-20358
                             20000128
                      Α
OS
     MARPAT 135:137529
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds: [I; R1 = H, alkyl, aryl; R2 = H, (CH3)3COCO; R3 = alkylene, divalent aromatic hydrocarbon derivs.; R4 = H, alkyl; X = aromatic hydrocarbon; heterocycle; m = 1, 2, 3; Y = N, O; Z = R8R7R6A1; A1 = CH2, SO2; R6 = alkylene, divalent arylalkane derivs.; R7 = CH2, CO; R8 = alkyl, arylalkyl] and salts are prepared Title compds. or salts of title compds. are used as the active ingredient in remedies having peroral absorbability and exhibiting VLA-4 antagonism. Thus, the title compound II was prepared and biol. tested for VLA-4 antagonism.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 6 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
L14
AN
     2000:420964 CAPLUS
     133:43445
DN
     Preparation of N-ureidoalkyl-piperidines as modulators of chemokine
TI
     receptor activity
     Ko, Soo S.; Duncia, John V. K.; Santella, Joseph B., III; Wacker, Dean A.;
IN
     Kim, Ui Tae
PA
     Du Pont Pharmaceuticals Company, USA
     PCT Int. Appl., 351 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 9
     PATENT NO.
                     KIND DATE
                                          APPLICATION NO.
                                                            DATE
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                                                           ______
     WO 2000035454
PΙ
                     A1 20000622
                                         WO 1999-US30336 19991217
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             NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ,
             MD, RU, TJ, TM
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE
     EP 1140087
                       A1
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                                          EP 1999-965322
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     US 6492400
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                                          US 1999-465287
                                                            19991217
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     US 2003013741
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     US 6521592
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     US 2004002515
                                          US 2002-279416
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     US 2004006107
                                          US 2002-279231
                       A1
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PRAI US 1998-112717P
                       Ρ
                           19981218
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     US 1999-161137P
                       P
                           19991022
     US 1999-161222P
                       Р
                           19991022
     US 1999-465287
                       А3
                           19991217
     US 1999-465288
                       A3
                           19991217
     US 1999-465948
                      A3
                           19991217
     WO 1999-US30336
                       W
                           19991217
os
     MARPAT 133:43445
GΙ
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The title compds. [I; M = absent, CH2, CH(CH2Ph), etc,; Q = CH2, CHR5, etc.; J, K, L = CH2, CH(CH2Ph), etc.; Z = O, S; E = (CH2)2, (CH2)3, CH2CH(OH)CH(Ph), etc.; R1, R2 = H, alkyl, alkenyl, etc.; R2 and R3 may join to form (un) substituted 5-7 membered ring; R3 = (un) substituted Ph, naphthyl, adamantyl, etc.; R4 = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepared and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/da (oral dosage). RE.CNT THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT L14 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN AN 2000:420963 CAPLUS DN 133:43444 Preparation of N-ureidoalkyl-piperidines as modulators of chemokine ΤI receptor activity IN Ko, Soo; Clark, Cheryl Mcardle; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A. Du Pont Pharmaceuticals Co., USA PA SO PCT Int. Appl., 316 pp. CODEN: PIXXD2 DT Patent LA English FAN.CNT 9 PATENT NO. KIND DATE APPLICATION NO. DATE ---------PΙ WO 2000035453 A1 20000622 WO 1999-US30335 19991217 W: AL, AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE EP 1158980 Α1 20011205 EP 1999-965321 19991217 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO US 6331541 В1 20011218 US 1999-465288 19991217 US 6486180 B1 20021126 US 1999-465948 19991217 ZA 2001003756 Α 20020509 ZA 2001-3756 20010509 US 2003013741 Α1 20030116 US 2001-7172 20011023 US 6521592 B2 20030218 US 2004002515 A1 20040101 US 2002-279416 20021024 US 2004006107 Α1 20040108 US 2002-279231 20021024 PRAI US 1998-112717P Р 19981218 US 1999-161137P P 19991022 US 1999-161184P Р 19991022 P US 1999-161222P 19991022 А3 US 1999-465287 19991217

AB

US 1999-465288

US 1999-465948

WO 1999-US30335

MARPAT 133:43444

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A3

Α3

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19991217

19991217

19991217

The title compds. [I; M = absent, CH2, CH(CH2Ph), etc.; Q = CH2, CH(CH2Ph), etc.; J, K, L = CH2, CH(CH2Ph), etc.; Z = O, S; E = (CH2)2, (CH2)3, CH2CH(OH)CH(Ph), etc.; R1, R2 = H, alkyl, alkenyl, etc.; R2 and R3 may join to form (un)substituted 5-7 membered ring; R3 = (un)substituted Ph, naphthyl, adamantyl, etc.; R4 = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepared and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/day (oral dosage).

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L14 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
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AN 2000:420962 CAPLUS

DN 133:43443

TI Preparation of N-ureidoalkyl-piperidines as modulators of chemokine receptor activity

IN Ko, Soo S.; Delucca, George V.; Duncia, John V.; Kim, Ui Tae; Santella,
Joseph B. Iii; Wacker, Dean A. K.

PA Du Pont Pharmaceuticals Company, USA

SO PCT Int. Appl., 388 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 9

| PAN. | ~IN T | 9 | | | | | | | | | | | | | | | | |
|------|---------------|--------|-----------|-----|------------|-------|-------|------|-----|-----|-------|-------|-------|--------|-------|------|-----|-----|
| | PAT | CENT 1 | NO. | | KI | ND | DATE | | | AI | PLIC | CATI | ON NO | ο. | DATE | | | |
| ΡI | WO | 2000 | 03545 | 52 | A: | 1 | 20000 | 0622 | | WC | 199 | 99-U | 5303: | 34 | 1999 | 1217 | | |
| | | W: | AL, | AU, | BR, | CA, | CN, | CZ, | EE, | HU, | IL, | IN, | JP, | KR, | LT, | LV, | MK, | MX, |
| | | | | | | | | | | | | | | | AZ, | | | |
| | | | MD, | RU, | ТJ, | TM | | | | | | | | | | | | |
| | | RW: | ΑT, | BE, | CH, | CY, | DE, | DK, | ES, | FI, | FR, | GB, | GR, | ΙE, | IT, | LU, | MC, | NL, |
| | | | PT, | | | | | | | | | | | | | | | |
| | \mathbf{EP} | 11613 | | | | | | | | | | - | | | | | | |
| | | R: | | | | | | | FR, | GB, | GR, | IT, | LI, | LU, | NL, | SE, | MC, | PT, |
| | | | ΙE, | SI, | LT, | LV, | FI, | RO | | | | | | | | | | |
| | US | 6331 | 541 | | B : | 1 | 2001 | 1218 | | US | 199 | 99-40 | 6528 | В | 19993 | 1217 | | |
| | TR | 2001 | 01859 | 9 | T | 2 | 2001 | 1221 | | TF | 200 | 01-20 | 0010 | 1859 | 1999 | 1217 | | |
| | BR | 99170 | 038 | | Α | | 20020 | 0402 | | BF | 199 | 99-1 | 7038 | | 1999 | 1217 | | |
| | JP | 2002 | 53242 | 27 | T: | 2 | 2002 | 1002 | | JF | 200 | 00-58 | 87772 | 2 | 1999 | 1217 | | |
| | NZ | 5113 | 94 | | Α | | 20030 | 725 | | NZ | 199 | 99-5 | 11394 | 4 | 1999: | 1217 | | |
| | ΑU | 77004 | 42 | | B | 2 | 20040 | 0212 | | ΑÜ | J 200 | 00-19 | 9406 | | 1999: | 1217 | | |
| | za | 2001 | 00375 | 56 | Α | | 20020 | 0509 | | ZP | 200 | 01-3 | 756 | | 2001 | 0509 | | |
| | NO | 20010 | 00297 | 77 | Α | | 20010 | 0820 | | NC | 200 | 01-29 | 977 | | 2001 | 0615 | | |
| | US | 20030 | 01374 | 11 | A. | L | 20030 | 0116 | | US | 200 | 01-7 | 172 | | 2001 | 1023 | | |
| | US | 6521 | 592 | | B2 | 2 | 20030 | 0218 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| | US | 2004002515 | A1 | 20040101 | US | 2002-279416 | 20021024 |
|------|-----|----------------|----|----------|----|-------------|----------|
| | US | 2004006107 | A1 | 20040108 | US | 2002-279231 | 20021024 |
| PRAI | US | 1998-112717P | P | 19981218 | | | |
| | US | 1999-161221P | P | 19991022 | | | |
| | US | 1999-161137P | P | 19991022 | | | |
| | US | 1999-161184P | P | 19991022 | | | |
| | US | 1999-161222P | P | 19991022 | | | |
| | US | 1999-465287 | A3 | 19991217 | | | |
| | US | 1999-465288 | A3 | 19991217 | | | |
| | US | 1999-465948 | A3 | 19991217 | | | |
| | WO | 1999-US30334 | W | 19991217 | | | |
| os | MAI | RPAT 133:43443 | | | | | |
| GT | | | | | | | |

AΒ The title compds. [I; M = absent, CH2, CH(CH2Ph), etc,; Q = CH2, CH(CH2Ph), etc.; J, K, L = CH2, CH(CH2Ph), etc.; Z = O, S; E = (CH2)2, (CH2)3, CH2CH(OH)CH(Ph), etc.; R1, R2 = H, alkyl, alkenyl, etc.; R2 and R3 may join to form (un) substituted 5-7 membered ring; R3 = (un) substituted Ph, naphthyl, adamantyl, etc.; R4 = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepared and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/day (oral dosage).

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 9 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
L14
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2000:420961 CAPLUS ΑN

DN 133:43442

ΤI Preparation of N-ureidoalkyl-piperidines as modulators of chemokine receptor activity

IN Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A.; Watson, Paul S.; Varnes, Jeffrey G.

PΑ Du Pont Pharmaceuticals Company, USA

SO PCT Int. Appl., 394 pp.

CODEN: PIXXD2

DT Patent

English LA

FAN.CNT 9

PATENT NO. APPLICATION NO. KIND DATE DATE ______ -----PΙ WO 2000035451 Α1 20000622 WO 1999-US30332 19991217 W: AL, AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ,

MD, RU, TJ, TM RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE EP 1140086 20011010 EP 1999-964297 19991217 Α1 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO US 6331541 20011218 US 1999-465288 19991217 B1 ZA 2001003756 ZA 2001-3756 20010509 Α 20020509 US 2001-7172 20011023 US 2003013741 A1 20030116 US 6521592 20030218 B2 US 2002-279416 US 2004002515 Α1 20040101 20021024 US 2002-279231 20021024 US 2004006107 Α1 20040108 Р PRAI US 1998-112717P 19981218 US 1999-161243P Р 19991022 US 1999-161137P Ρ 19991022 US 1999-161184P P 19991022 US 1999-161222P P 19991022 US 1999-465287 19991217 АЗ US 1999-465288 **A3** 19991217 US 1999-465948 **A3** 19991217 WO 1999-US30332 W 19991217 MARPAT 133:43442 os GI

$$\begin{array}{c|c}
J-M & R^4 & \parallel \\
K & N-E-N & N \\
L-Q & R1 & R2
\end{array}$$

AB The title compds. [I; M = absent, CH2, CH(CH2Ph), etc.; Q = CH2, CH(CH2Ph), etc.; J, K, L = CH2, CH(CH2Ph), etc.; Z = O, S; E = (CH2)2, (CH2)3, CH2CH(OH)CH(Ph), etc.; R1, R2 = H, alkyl, alkenyl, etc.; R2 and R3 may join to form (un)substituted 5-7 membered ring; R3 = (un)substituted Ph, naphthyl, adamantyl, etc.; R4 = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepared and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/day (oral dosage).

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT